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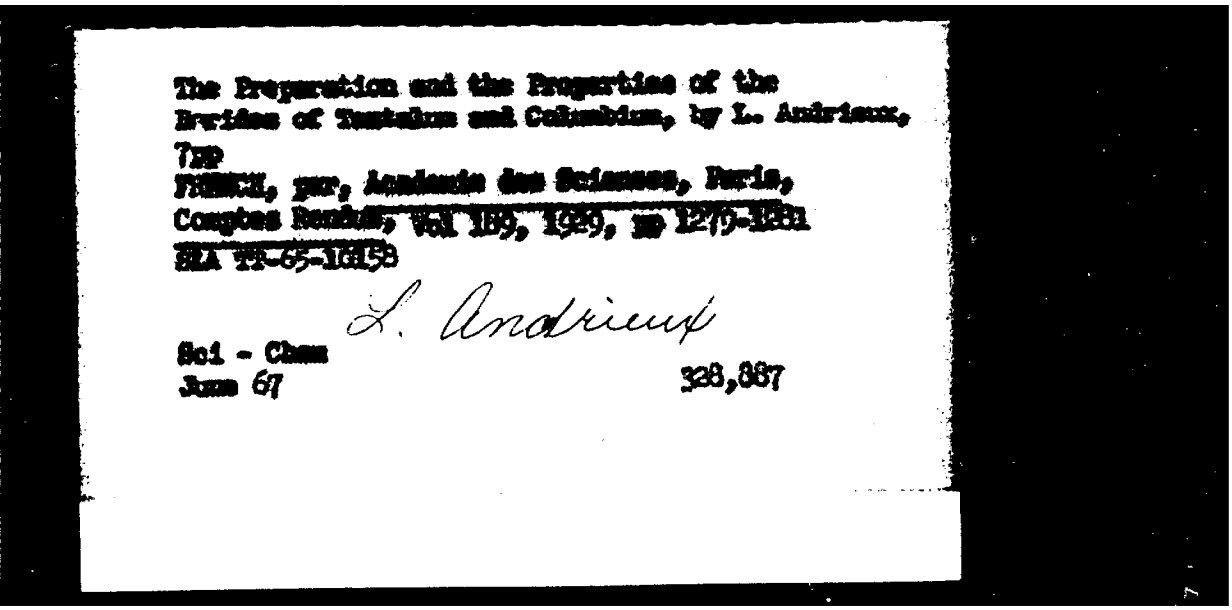

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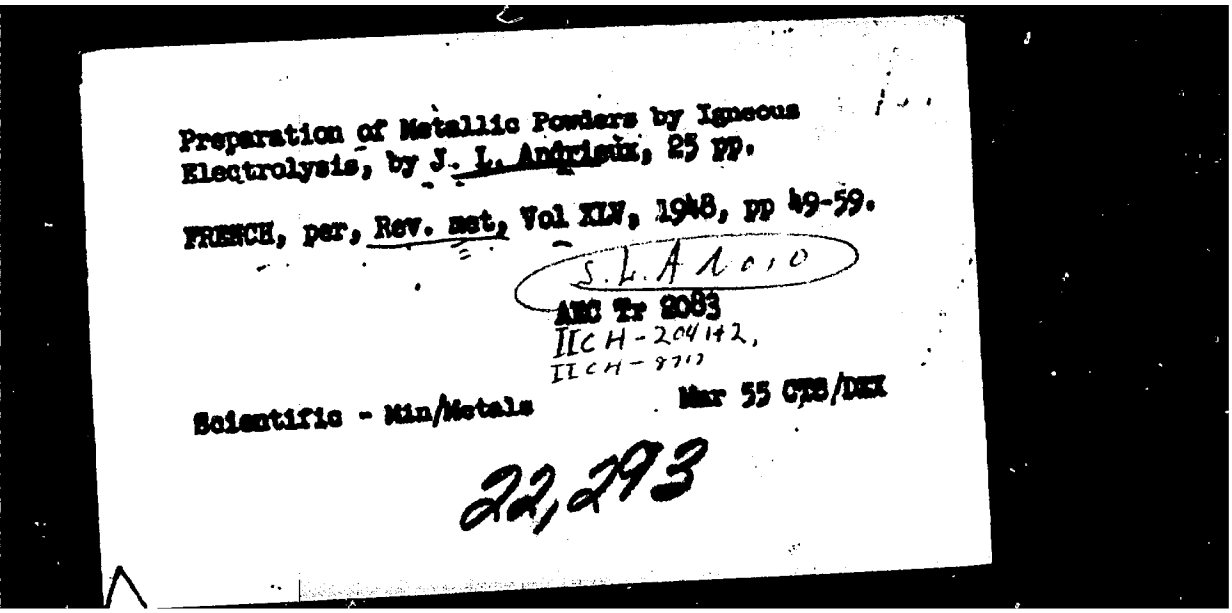

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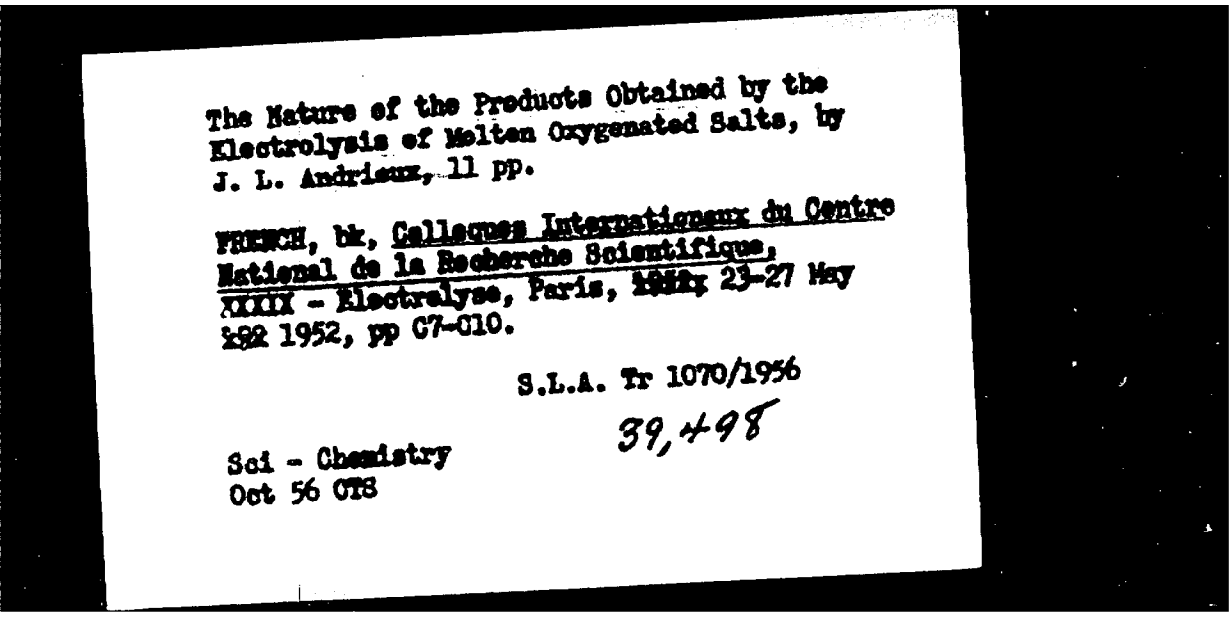

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DESCRIPTORS: *Powder metallurgy, *Power metals, *Electrolysis, Synthesis (Chemistry), Beryllium, Titanium, Zirconium, Thorium, Tantalum, Columbium, Chromium, Molybdenum, Tungsten, Uranium, Manganese, Copper, Silver, Iron, Cobalt, Nickel, Platinum, Iron alloys, Tungsten alloys, High-temperature research.

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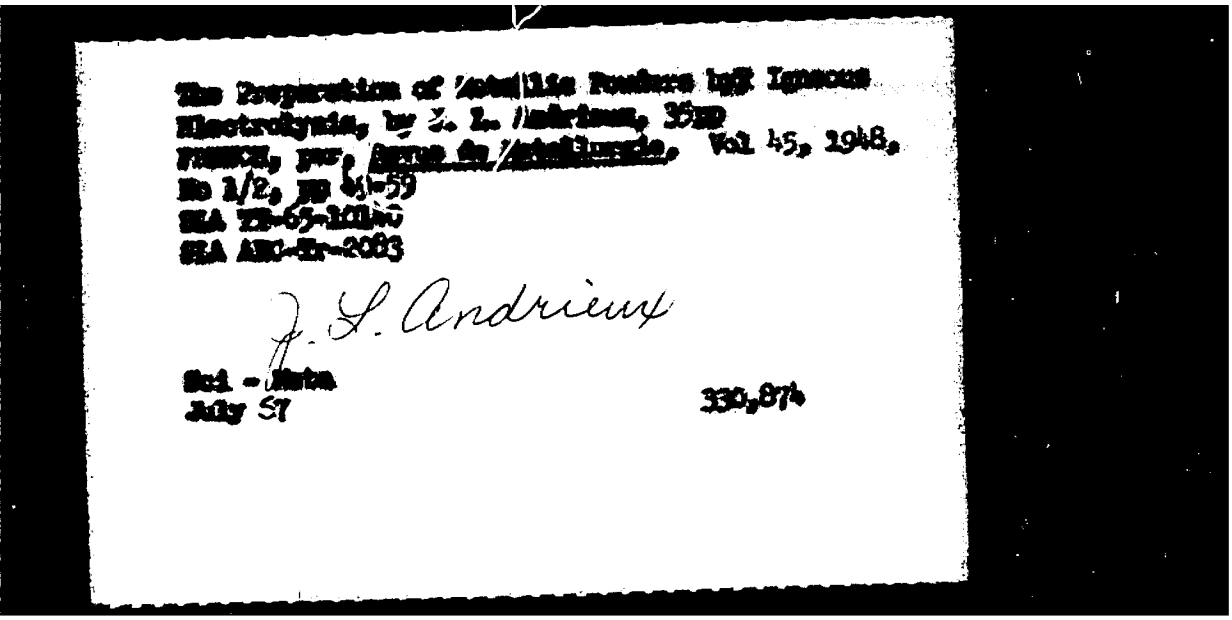

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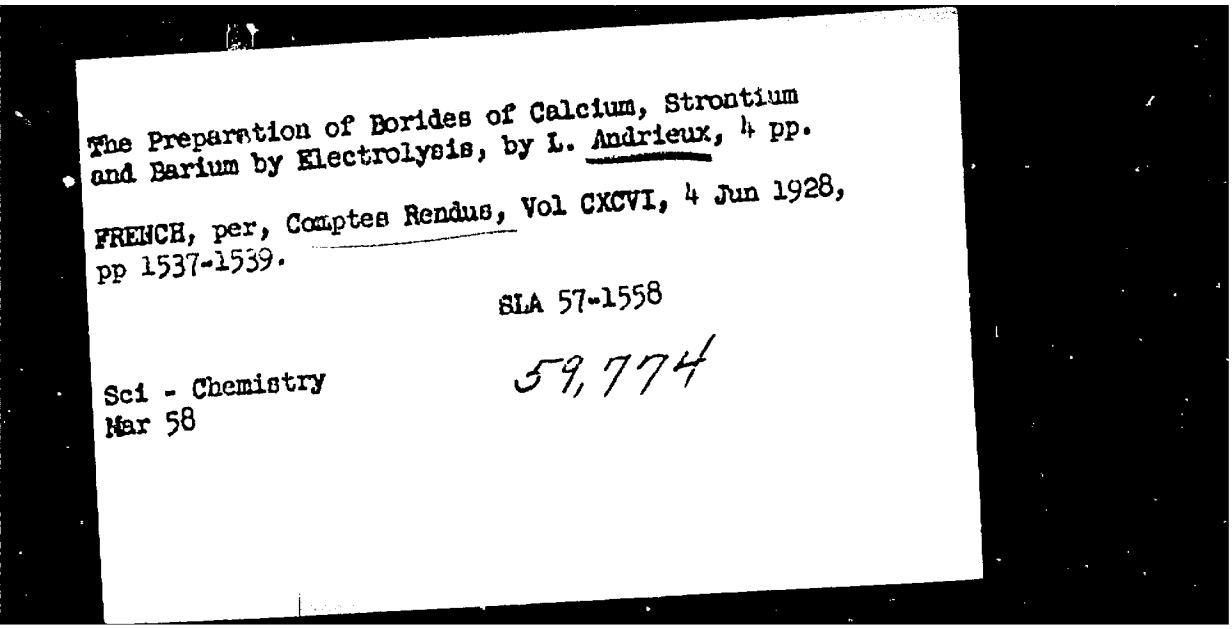

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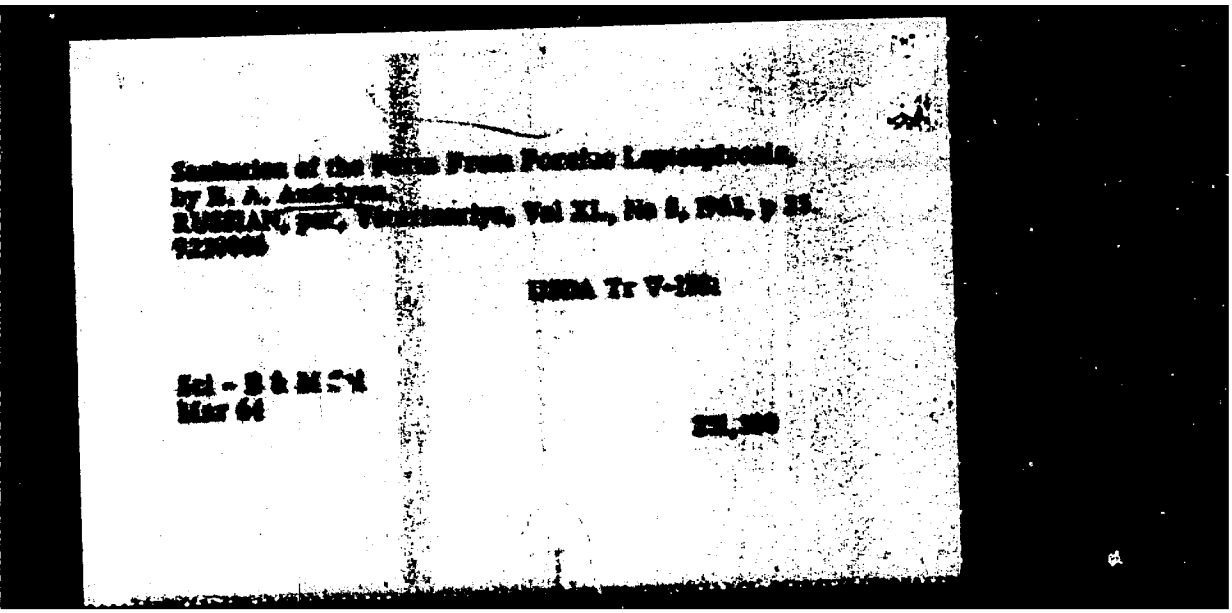

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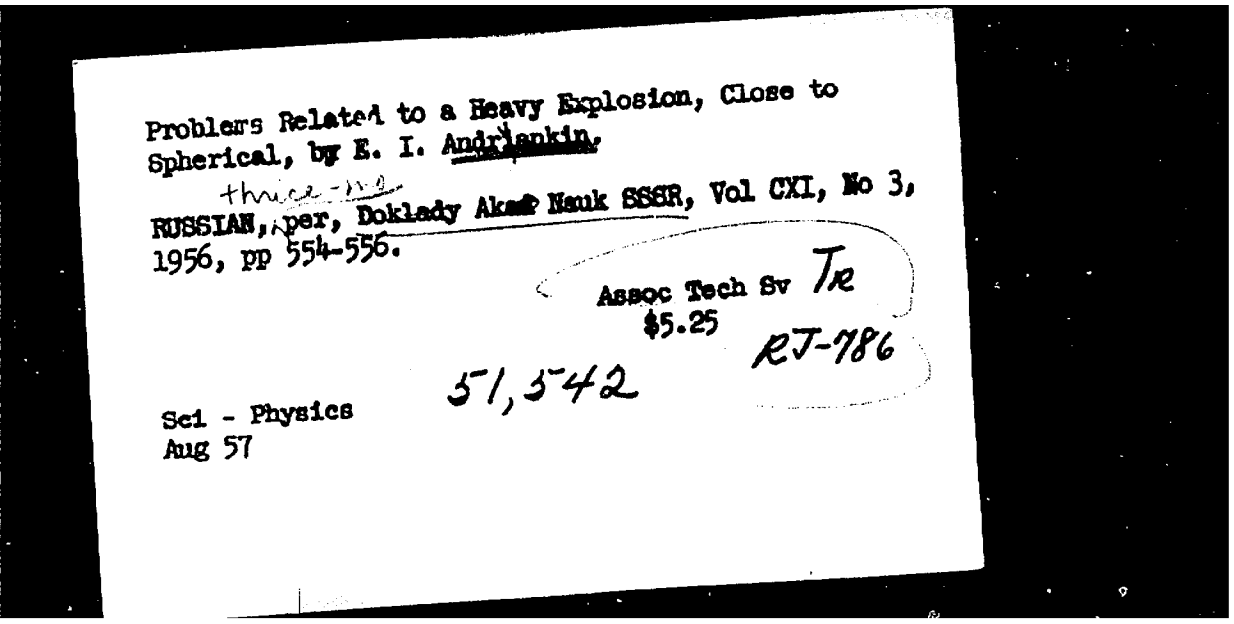

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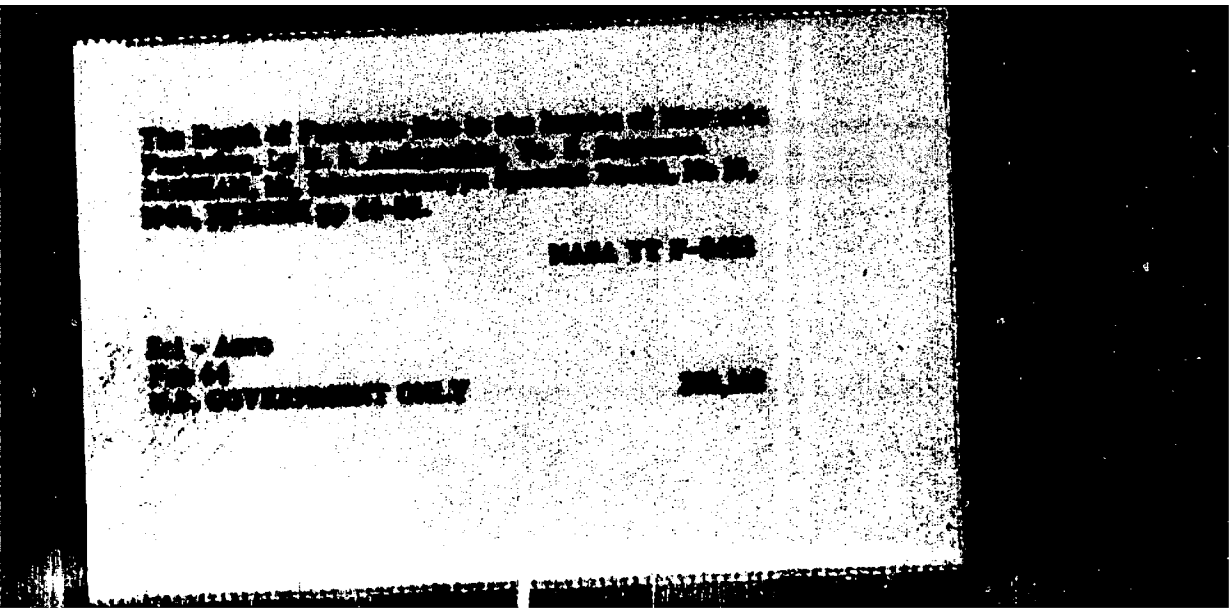

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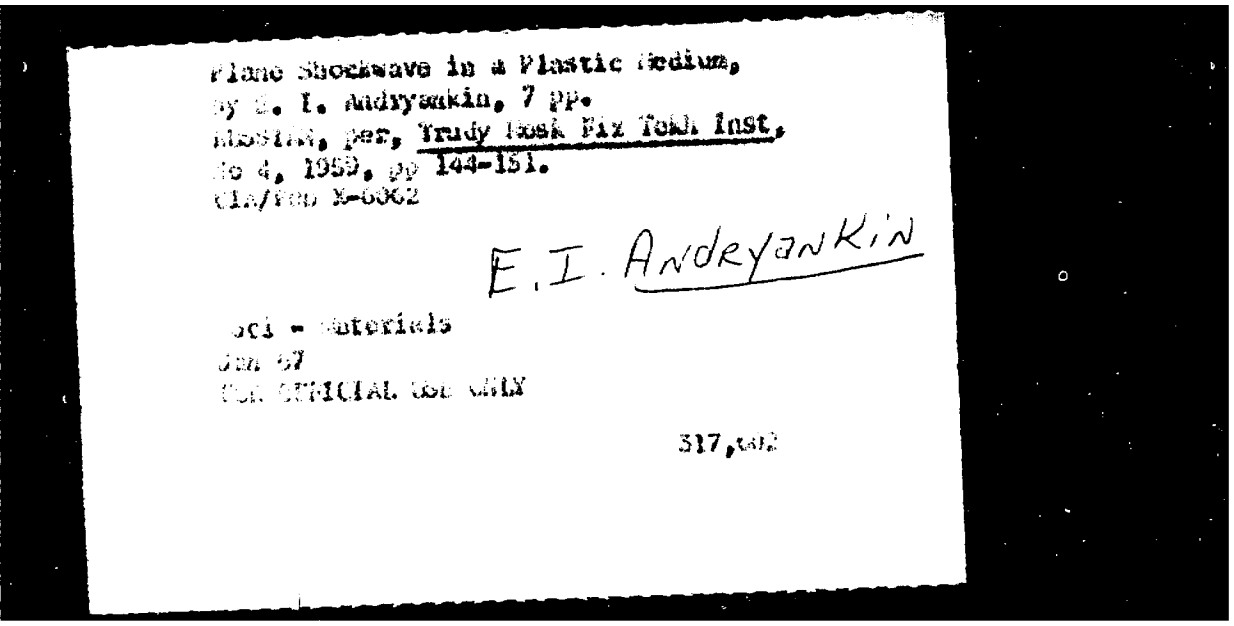

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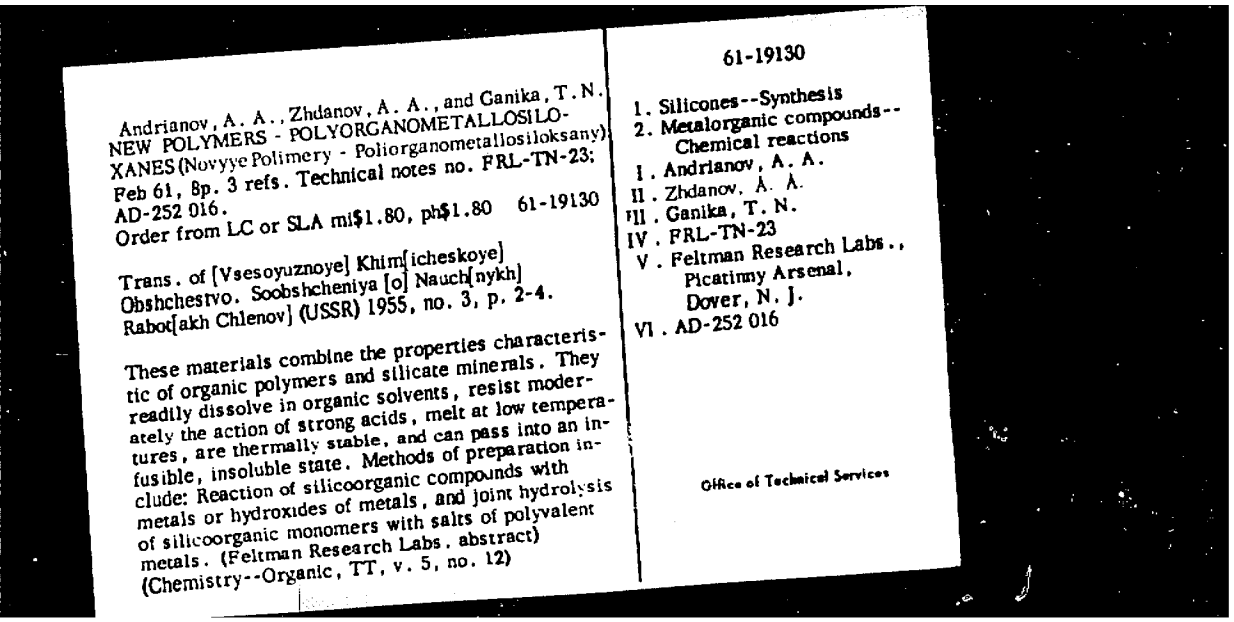

Andrianov, A. A., Zhdanov, A. A., and Ganika, T. N.
NEW POLYMERS - POLYORGANOMETALLOSILOXANES (Novyye Polimery - Poliorganometallosiloksany)
Feb 61, 8p. 3 refs. Technical notes no. FRL-TN-23;
AD-252 016.
Order from LC or SLA mi$1.80, ph$1.80 61-19130

Trans. of [Vsesoyuznoye] Khim[icheskoye]
Obshchestvo. Soobshcheniya [o] Nauch[nykh]
Rabot[akh Chlenov] (USSR) 1955, no. 3, p. 2-4.

These materials combine the properties characteristic of organic polymers and silicate minerals. They readily dissolve in organic solvents, resist moderately the action of strong acids, melt at low temperatures, are thermally stable, and can pass into an infusible, insoluble state. Methods of preparation include: Reaction of silicoorganic compounds with metals or hydroxides of metals, and joint hydrolysis of silicoorganic monomers with salts of polyvalent metals. (Feltman Research Labs. abstract)
(Chemistry--Organic, TT, v. 5, no. 12)

61-19130

1. Silicones--Synthesis
2. Metalorganic compounds--Chemical reactions
I. Andrianov, A. A.
II. Zhdanov, A. A.
III. Ganika, T. N.
IV. FRL-TN-23
V. Feltman Research Labs., Picatinny Arsenal, Dover, N. J.
VI. AD-252 016

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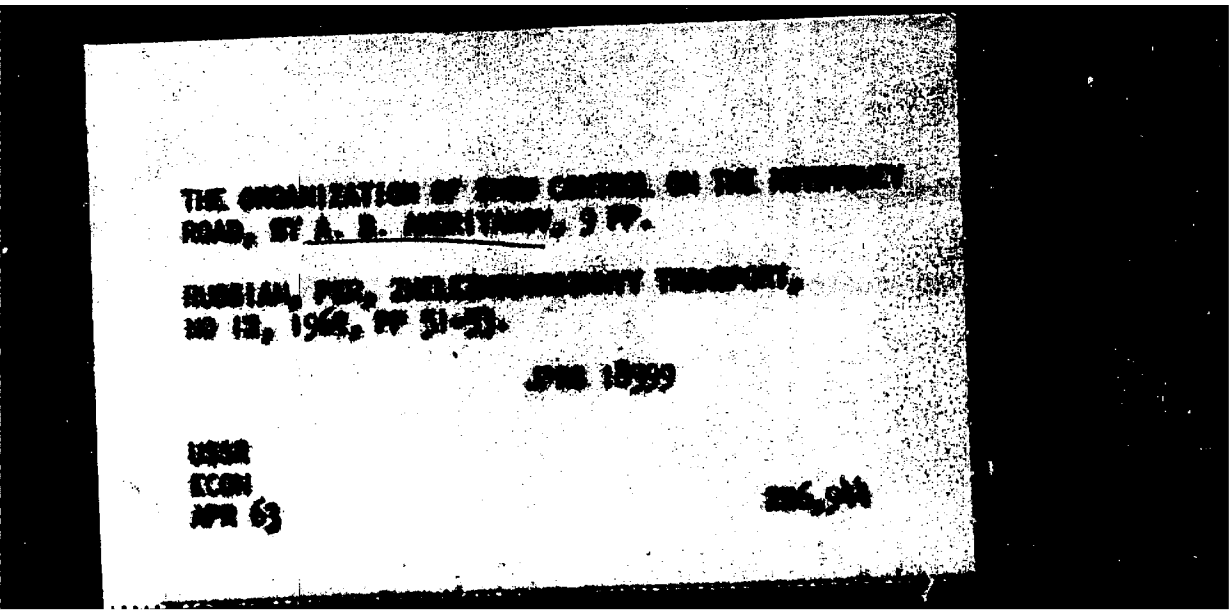

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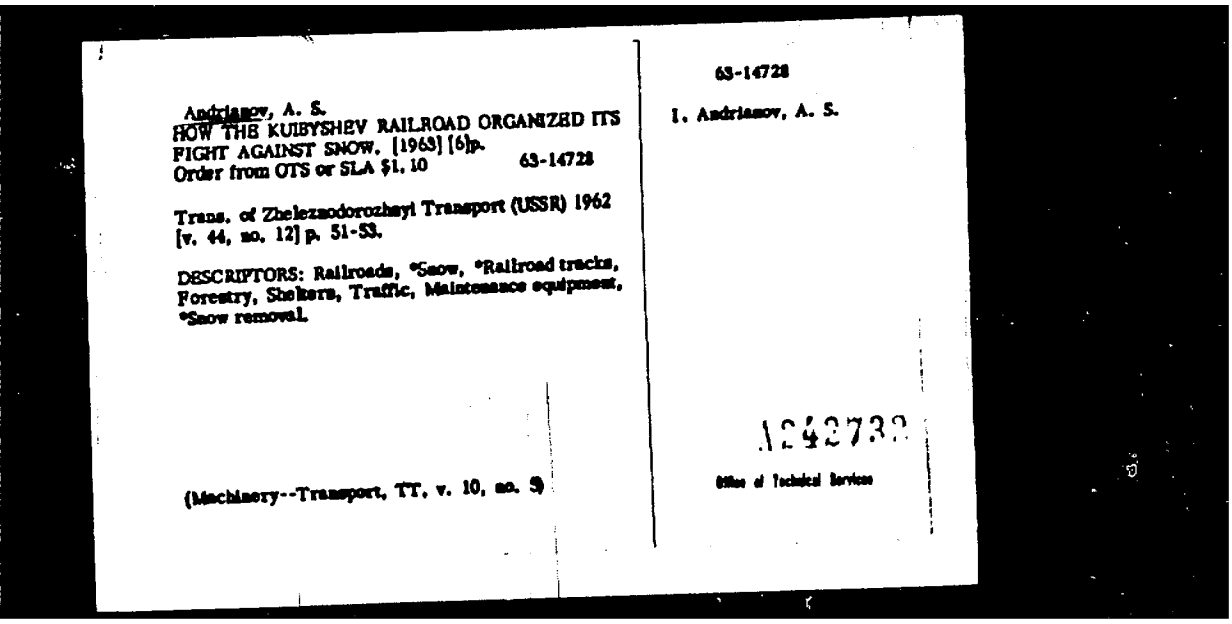

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Order from OTS or SLA $1.10 63-14728

Trans. of Zheleznodorozhnyi Transport (USSR) 1962 [v. 44, no. 12] p. 51-53.

DESCRIPTORS: Railroads, *Snow, *Railroad tracks, Forestry, Shelters, Traffic, Maintenance equipment, *Snow removal.

(Machinery--Transport, TT, v. 10, no. 9)

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AD42732

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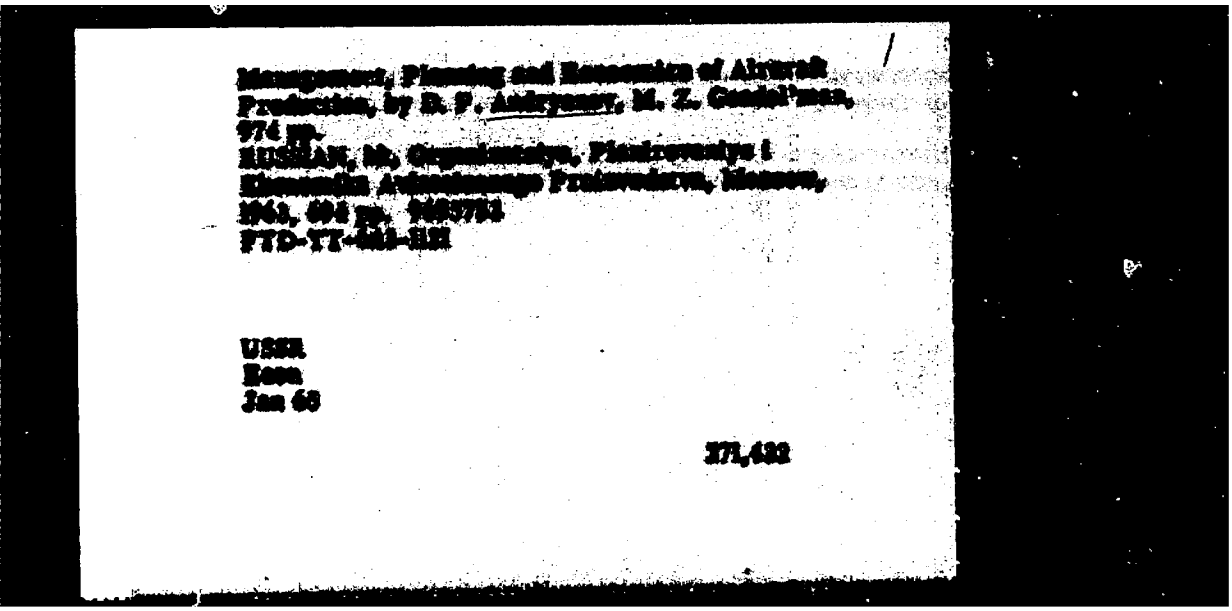

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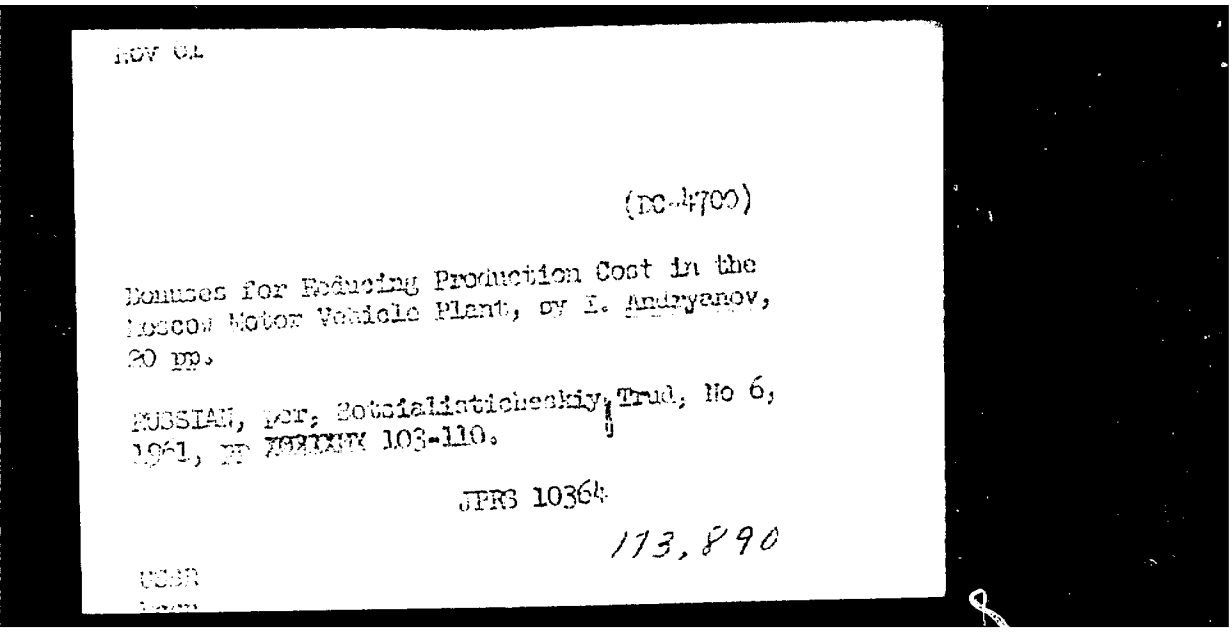

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RUSSIAN, Per, Sotsialisticheskiy Trud, No 6, 1961, pp 103-110.

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Catalytic Polymerization of Polychlorophenyldimethyl-siloxanes, by K. Andrianov, S. Dzhenchel'skaya, Yu. Petrashko, 4 pp.

RUSSIAN, per; Zhur Prik Khim, Vol XXXII, No 6, 1959, pp 1344-1347.

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Catalytic Polymerization of Polyphenyl- and Poly (dimethylphenyl) siloxanes, by K. Andrianov, S. Dzhenchal'skaya and Yu. Petrashko, 4 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXVIII, No 3, 1958, pp685-688.

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K. Andrianov, Valuable Materials - Organosilicon Compounds Should Be Used More Extensively, Promyshlenno-Ekonomicheskaya Gazeta, No 74 (218), 21 June 1957.

Sum 1003
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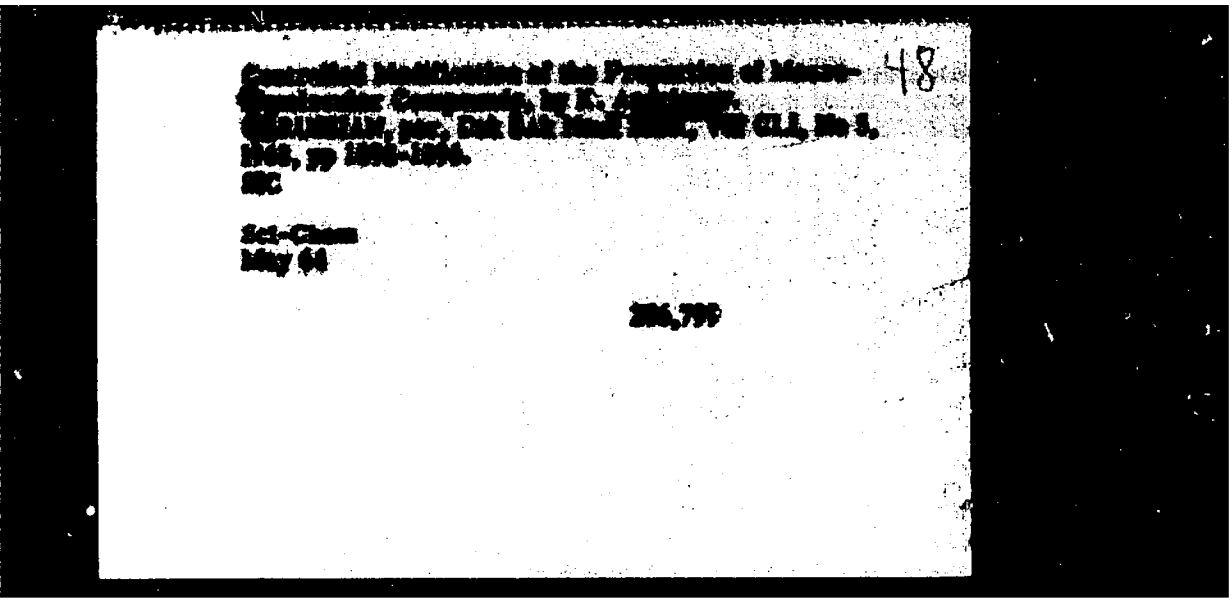

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APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220026-9

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Alkyl and Asyl-Substituted Ortho-Esters of Silicic Acids. I. Preparation of Organomagnesium Compounds Without Ether in the Presence of Tetrasiloxy-silicane, by K. Andrianov, O. Gribanova, 8 p.
RUSSIAN, per Zhur Obshch Khim, 1938 Vol VIII, No 6, pp 552-557 SLA 59-20729

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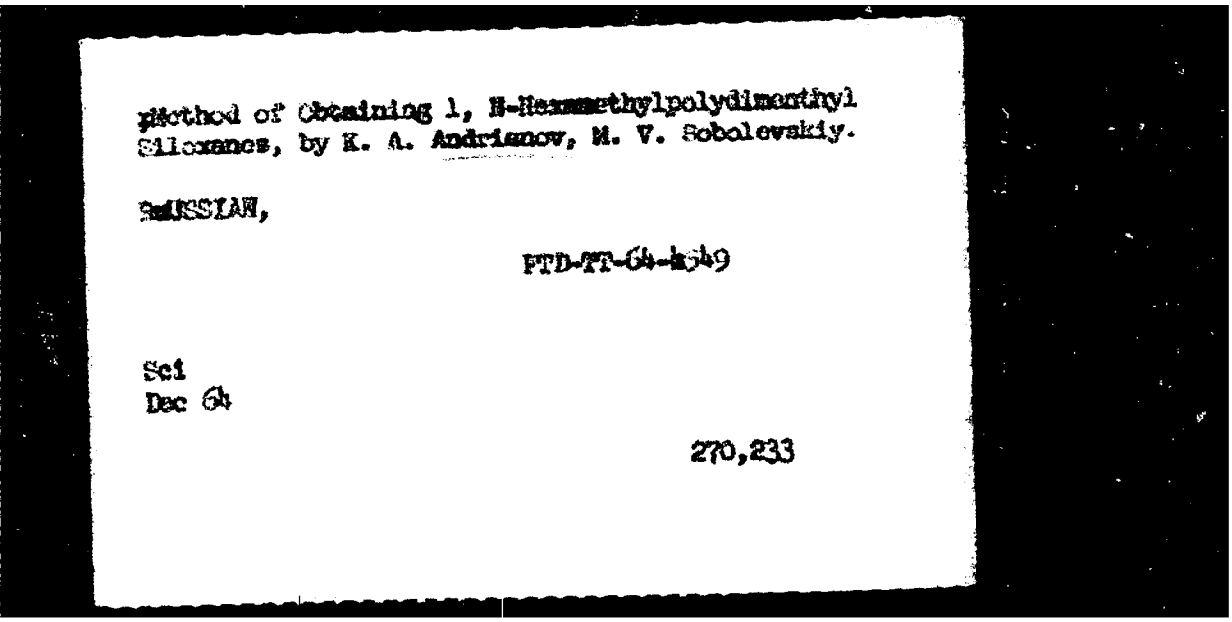

Method of Obtaining 1, N-Hexamethylpolydimethyl Siloxanes, by K. A. Andrianov, M. V. Sobolevskiy.

RUSSIAN,

FTD-TT-64-1549

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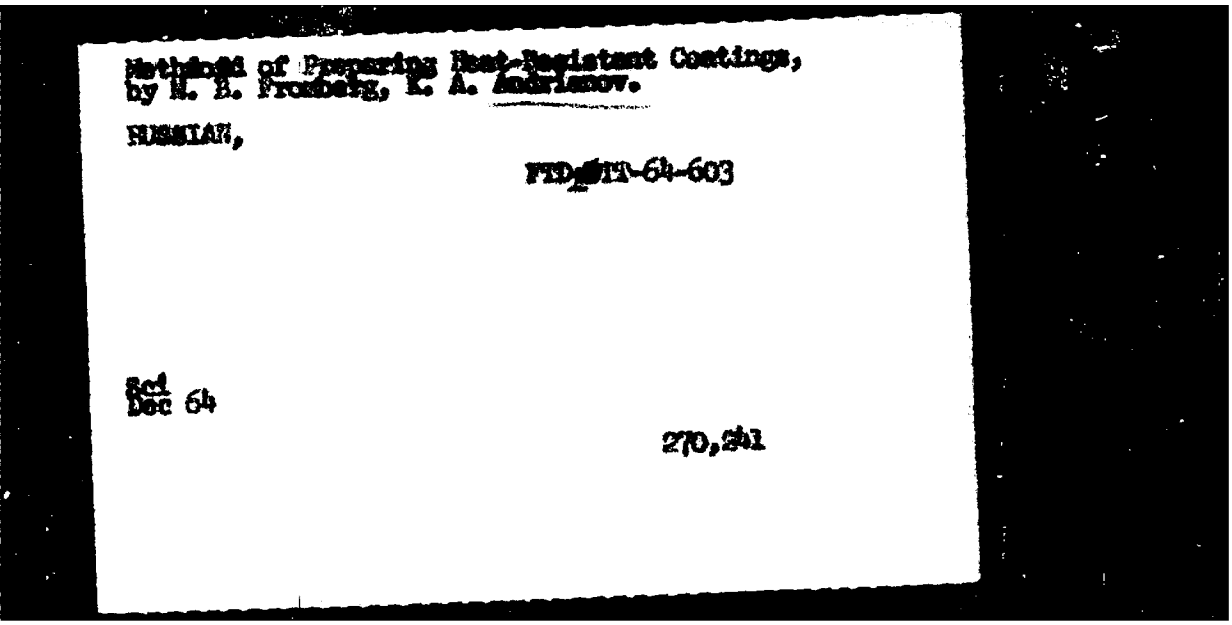

Methods of Preparing Heat-Resistant Coatings,
by M. B. Frenkel', K. A. Andrianov.

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FTD-HT-64-603

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Synthesis of Polyferroorganosiloxanes and Polyferroaluminoorganosiloxanes, by K. A. Andrianov, T. N. Genina, 9 pp.

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APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220026-9

Andrianov, K. A., Kurakov, G. A., Khananashvili, L. M., and Lomonosova, T. A.

TRANSAMINATION OF BIS(DIETHYLAMINO) DERIVATIVES OF SILANES AND OF OCTAMETHYLCYCLOTETRASILAZANE WITH AROMATIC AMINES.

15 Jul 63 [8p] 7 refs
Order from OTS or SLA $1.10 63-18893

Trans. of #Zh[urnal] Obshch[ei] Khim[ii] (USSR) 1963, v. 33 [no. 4] p. 1294-1299.

DESCRIPTORS: *Silanes, Anilines, *Amines, Ethyl radicals, Methyl radicals, Alkyl radicals.

The following new compounds were synthesized: bis(diethylamino)methylsilane, bis(diethylamino)ethylamino)ethylsilane, diethylaminophenylaminoethylsilane, and bis(phenylamino)ethylsilane. By means of a transamination reaction, polymers were prepared and their (over)

(Chemistry--Organic, TT, v. 10, no. 11)

63-18893

1. Title: Benzidine
2. Title: bis-(Diethylamino) ethylsilane
3. Title: bis-(Diethylamino) methylsilane
4. Title: Diethylamino phenylamino ethylsilane
5. Title: Octamethyl cyclotetra silazane
6. Title: bis-(Phenylamino) ethylsilane
7. Title: Transamination
I. Andrianov, K. A.
II. Kurakov, G. A.
III. Khananashvili, L. M.
IV. Lomonosova, T. A.

Office of Technical Services

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220026-9

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Andrianov, K. A.
METALLORGANIC POLYMERS. 1963, 400p
Order from Scripta Technica, Inc., 1000 Vermont Ave., N. W., Washington, 5, D. C.

Trans. of unidentified Russian mono., n. p., n. d.

DESCRIPTORS: *Metalorganic compounds, *Polymers, *Silicones, Synthesis (Chemistry).

(Chemistry--Organic, TT, v. 10, no. 12)

63-22639

I. Andrianov, K. A.
II. Scripta Technica, Inc., Washington, D. C.

6239

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APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220026-9

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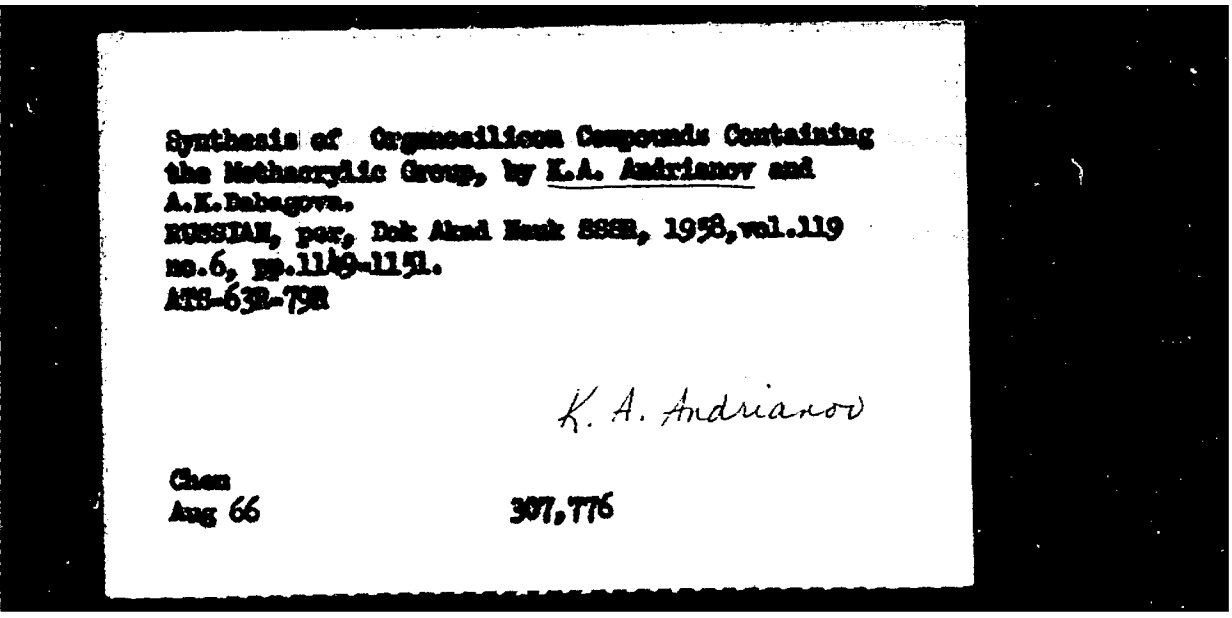

Synthesis of Organosilicon Compounds Containing the Methacrylic Group, by K.A. Andrianov and A.K. Babayeva.
RUSSIAN, per, Dok Akad Nauk SSSR, 1958, vol.119 no.6, pp.1149-1151.
ATS-63R-75R

K. A. Andrianov

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Aug 66 307,776

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Catalytic Cleavage of Dimethylcyclosiloxanes in Presence of Dichlorodimethylsilane, by K. A. Andrianov, V. V. Severnyi, 5 pp.

RUSSIAN, per, Is Ak Nauk SSSR, Otdel Khim Nauk, No 12, 1962, pp 2133-2137.

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Synthesis of Liquid 1,n-Hexamethylpoly(Phenylethyl) Methylsiloxanes and Investigation of Their Properties, by K. A. Andrianov, A. A. Zhdanov, 8 pp,

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 9, 1961, pp 1615-1623.

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Andrianov, K. A.
INVESTIGATIONS IN THE REALM OF ALKYL- AND ARYL- SUBSTITUTED ESTERS OF SILICIC ACID. IV. THE MECHANISM OF HYDROLYSIS AND ANHYDRIDE FORMATION OF ALKYLTRIETHOXYMONOSILANES (Issledovaniya v Oblasti Alkil- i Aril-Zameshchennykh Efirov Kremnevoi Kisloty. IV. O Mekhanizme Gidroliza i Angidrizatsii Alkil-Trietoksimonosilanov). [1963]
[24p] (foreign text included) 6refs
Order from OTS or SLA $2.60 63-18610

Trans. of Zhurnal Obshchei Khimii (USSR) 1938, v. 8, no. 13, p. 1255-1263.

DESCRIPTORS: *Silicic acids, *Silanes, Alkyl radicals, Alkoxy radicals, Hydrolysis, Anhydrides, Butyl radicals, Esters, Substitution reactions.

(See also 59-20729)
(Chemistry--Organic, TT, v. 10, no. 11)

63-18610

1. Title: Alkyltriethoxy monosilanes
I. Andrianov, K. A.
II. Title: Mechanism ...
III. Title: Mekhanizme ...

...55399

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APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220026-9

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220026-9

Reactions of Alkoxy (Chloromethyl) Menthylsilanes With Sodium Diethyl Phosphate and With Sodium Dimethylphosphinate, by K. A. ~~XXX~~ Andrianov, I. K. Kuznetsova, 3 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 8, 1961, pp 1454-1455.

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Polycondensation as a Method for the Preparation of Polydialkylsiloxane and Polyaluminodialkylsiloxane Elastomers, by K. A. Andrianov, A. A. Zhdanov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVIII, No 2, 1961, pp 361-364.

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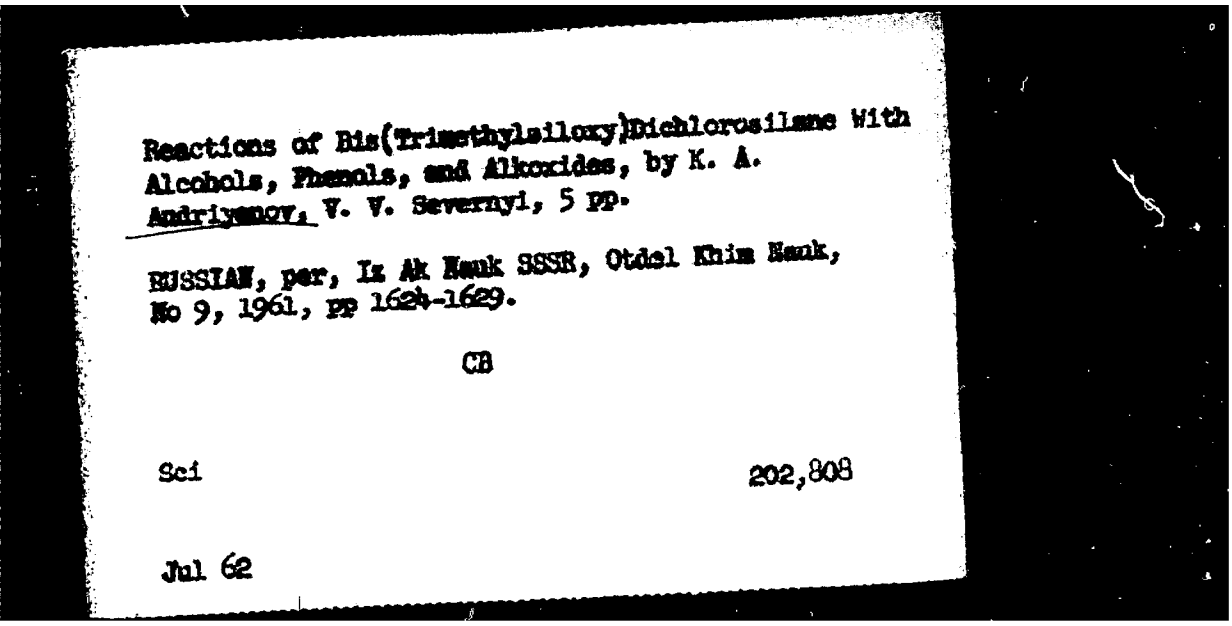

Reactions of Bis(Trimethylsiloxy)Dichlorosilane With Alcohols, Phenols, and Alkoxides, by K. A. Andriyanov, V. V. Severnyi, 5 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 9, 1961, pp 1624-1629.

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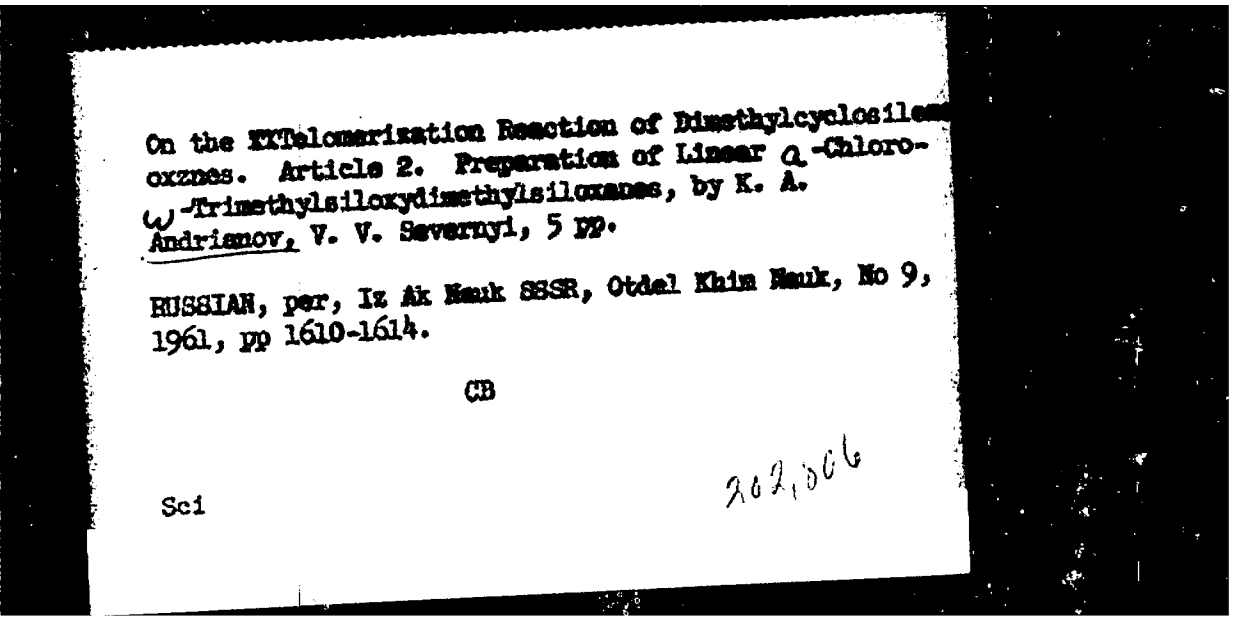

On the RXTelomerization Reaction of Dimethylcyclosiloxanes. Article 2. Preparation of Linear α-Chloro-ω-Trimethylsiloxydimethylsiloxanes, by K. A. Andrianov, V. V. Severnyi, 5 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 9, 1961, pp 1610-1614.

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Telomerization of Dimethylcyclosiloxanes, Communication 1, Preparation of Linear a,w-Dichloropolydimethylsiloxanes, by K. A. Andrianov, V. V. Severnyi, 5 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 8, 1961, pp 1456-1461.

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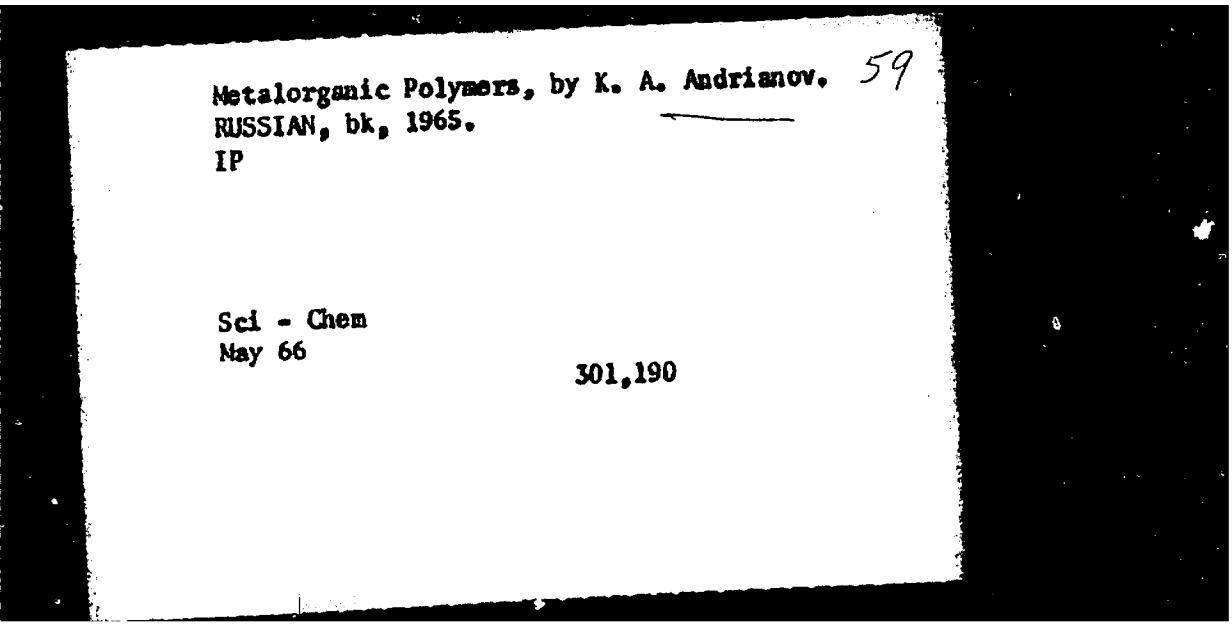

Metalorganic Polymers, by K. A. Andrianov. 59
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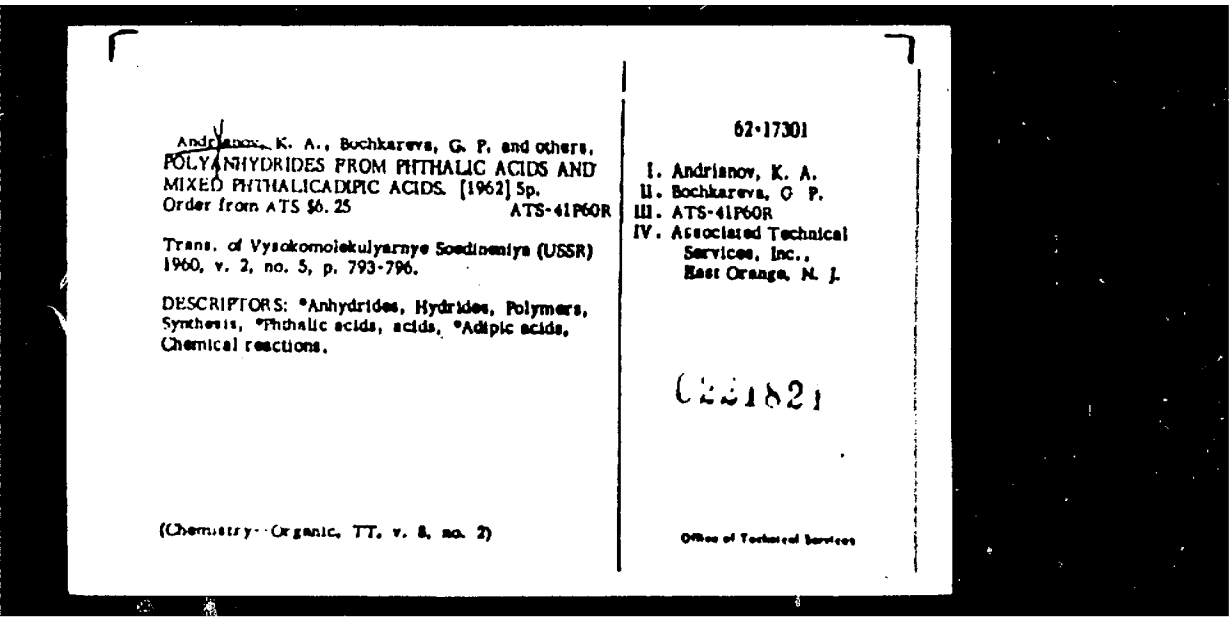

Andrianov, K. A., Bochkareva, G. P. and others.
POLYANHYDRIDES FROM PHTHALIC ACIDS AND MIXED PHTHALICADIPIC ACIDS. [1962] 5p.
Order from ATS $6.25 ATS-41P60R

Trans. of Vysokomolekulyarnye Soedineniya (USSR) 1960, v. 2, no. 5, p. 793-796.

DESCRIPTORS: *Anhydrides, Hydrides, Polymers, Synthesis, *Phthalic acids, acids, *Adipic acids, Chemical reactions.

(Chemistry--Organic, TT, v. 8, no. 2)

62-17301

I. Andrianov, K. A.
II. Bochkareva, G P.
III. ATS-41P60R
IV. Associated Technical Services, Inc., East Orange, N. J.

C23821

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Synthesis of Cyclic Polyorganosiloxanes Containing Various Groups in the Ring, by K. A. Andrianov, S. E. Yakushkina, pp 3

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 3, 1960, pp 457-460.

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Telomerization of Cyclodimethylsiloxanes. Communication 5. Reactions with Terfunctional Compounds, by K. A. Andrianov, V. V. Severnyi, 8pp

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 2, 1963, pp 282-289.

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Infrared Absorption Spectra of Polyalumino-organosiloxanes and Polytitanoorganosiloxanes, by K. A. Andrianov, N. P. Gashnikova, 5 pp.

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Polymers With Inorganic Principal Chains in Their Molecules, by K. A. Andrianov, 18 pp.

RUSSIAN, Vsesoyuznyy Mezhdunarodnyy Simpozium po Makromolekulyarnoi Khimii SSSR, 14-18 Jun 1960, pp 26-[illegible] 9093611

AEC tr-4470

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K. A. ANDRIANOV, A. A. ZHDANOV

Interaction of metals and organic silicium compounds containing hydroxyles

Über die Wechselwirkung von Metallen mit hydroxylhaltigen siliziumorganischen Verbindungen

Izvest. Akad. Nauk SSSR, 9, No. 9, 1076-1079 (1958)

356 - German

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Telomerization of Dimethylcyclosiloxanes.
Communication 4. Reactions With Silicon Tetrachloride,
by K. A. Andrianov, V. V. Severnyi, 5 pp.

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1963, pp 82-86.

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Polyorganometallosiloxanes. Communication 2. Synthesis of Polyorganoaluminocobaltosiloxanes and Polyorganoaluminonickelosiloxanes, by K. A. Andrianov, A. A. Zhdanov, 4 pp.

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Telomerization of Dimethylcyclosiloxanes, Communication 3. Telomerization Reactions with Dichloromethylvinylsilane and Dichloromethylphenylsilane, by K. A. Andrianov, V. V. Severnyi, 4 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 10, 1961, pp 1788-1791.

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Reaction of Trialkyl (or Aryl) Silanols With (Ethoxymethylsilyl)methyl Dimethylphosphinates, by K. A. Andrianov, I. K. Kuznetsova, 3 pp.

RUSSIAN, per, Iz AK Nauk SSSR, Otdel Khim Nauk, No 10, 1961, pp 1792-1794.

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Polymers with Inorganic Principal Molecular Chains, by K. A. Andrianov.

RUSSIAN, mono, Polymery s Neorganicheskimi Glavnymi Tsepyami Molekul, Moscow, 1962.

✳Scripta Technica Inc

Sci-Chem
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Andrianov, K. A.
NEW WAYS OF PREPARING RESINOUS, FILM-FORMING MATERIALS ON THE BASE OF SILICO-ORGANIC COMPOUNDS (O Novykh Putyakh Polucheniya Smoloobraznykh Plenkoobrazuyushchikh Veshchestv na Osnove Kremniiorganicheskikh Soedinenii). [1963] [21p] (foreign text included) 32refs
Order from OTS or SLA $2.60 63-18611

Trans. of Promyshlennost' Organicheskoi Khimii (USSR) 1939, v. 6, no. 4/5, p. 203-207.

DESCRIPTORS: *Plastic films, *Thermosetting plastics, Heat-resistant plastics, Silicon compounds, *Silicones, Substitution reactions, Pressure, Synthesis (Chemistry), *Varnishes.

(Materials--Plastics, TT, v. 10, no. 10)

63-18611

I. Andrianov, K. A.

125244

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Investigation of the Influence of Organopolysiloxane Coatings on the Adhesion of Ice to Various Surfaces, by K. A. Andrianov, B. V. Deryagin, N. N. Zakhavayeva, M. V. Sobolevskiy, and M. V. Talayev, 9 pp.

Russian, per, Zhur Prik Khim, Vol XXXII, No 12, 1959, pp 2682-2690

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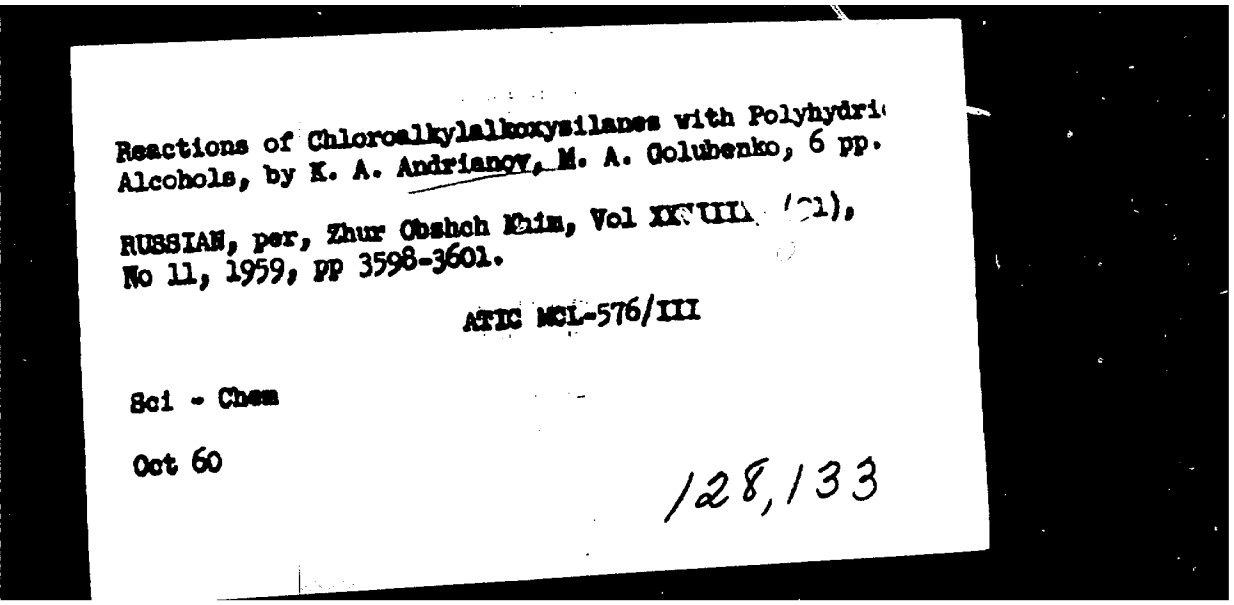

Reactions of Chloroalkylalkoxysilanes with Polyhydri
Alcohols, by K. A. Andrianov, M. A. Golubenko, 6 pp.

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No 11, 1959, pp 3598-3601.

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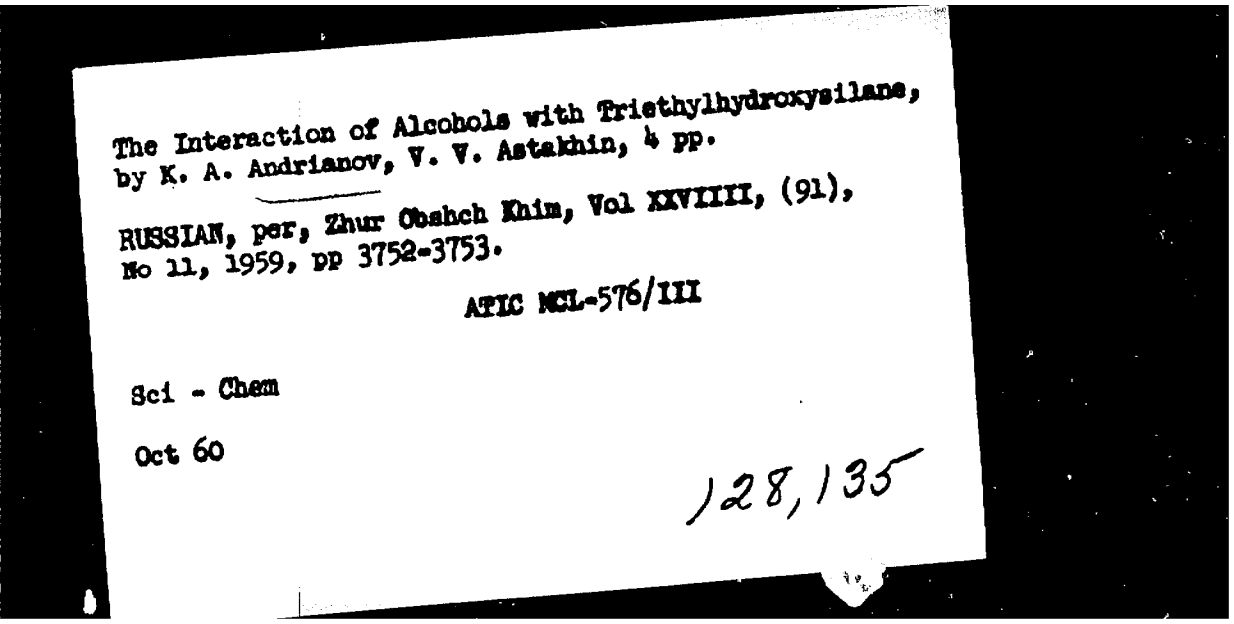

The Interaction of Alcohols with Triethylhydroxysilane, by K. A. Andrianov, V. V. Astakhin, 4 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXVIIII, (91), No 11, 1959, pp 3752-3753.

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APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220026-9

The Reactions of Chloroalkylalkylalkylaloxysi With Polyhydric Alcohols, by K. A. Andrianov, M. A. Golubenko, 4 pp.

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CB

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ATIC MCL-576/III

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Oct 60

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RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXVII, No 5, pp 1014-1015.

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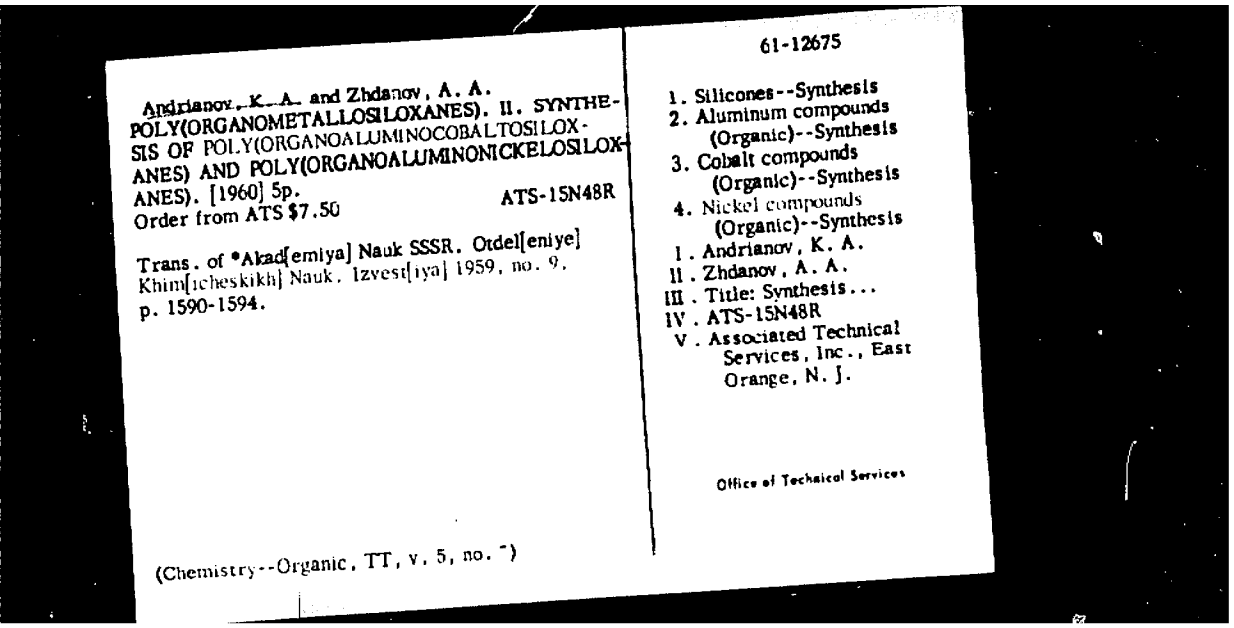

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(Chemistry--Organic, TT, v. 5, no. -)

61-12675

1. Silicones--Synthesis
2. Aluminum compounds (Organic)--Synthesis
3. Cobalt compounds (Organic)--Synthesis
4. Nickel compounds (Organic)--Synthesis

I. Andrianov, K. A.
II. Zhdanov, A. A.
III. Title: Synthesis...
IV. ATS-15N48R
V. Associated Technical Services, Inc., East Orange, N. J.

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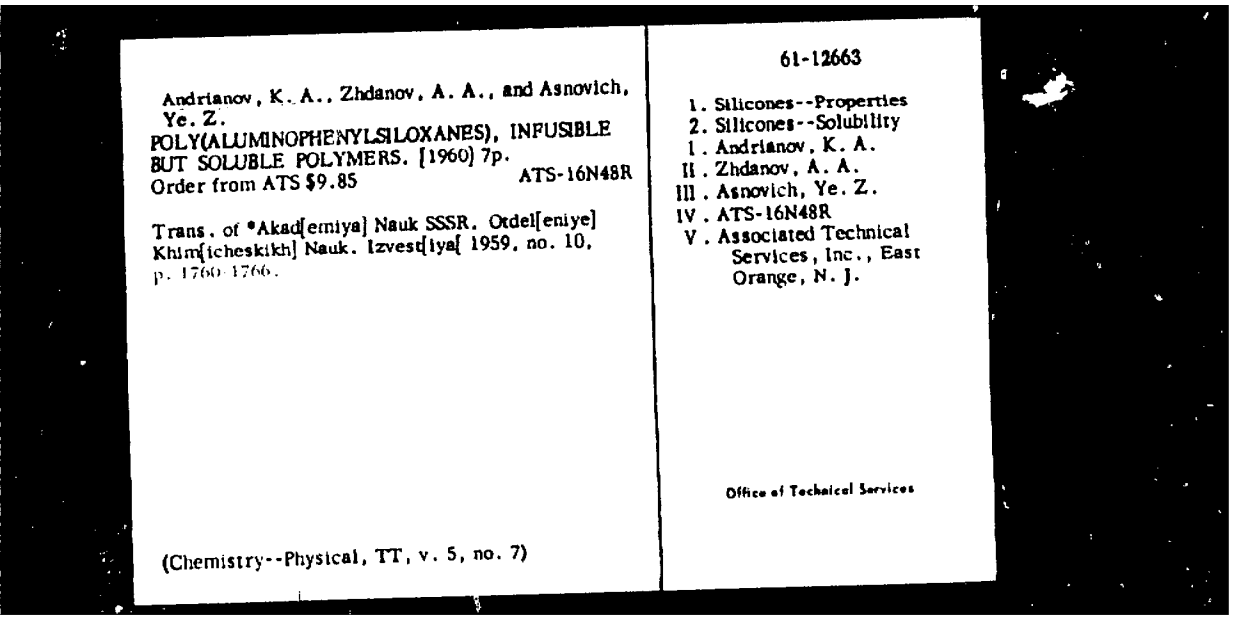
APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220026-9

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220026-9



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Order from ATS $9.85 ATS-16N48R

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(Chemistry--Physical, TT, v. 5, no. 7)

61-12663

1. Silicones--Properties
2. Silicones--Solubility
I. Andrianov, K. A.
II. Zhdanov, A. A.
III. Asnovich, Ye. Z.
IV. ATS-16N48R
V. Associated Technical Services, Inc., East Orange, N. J.

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APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220026-9

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STUDY OF THE POLYCONDENSATION REACTION OF POLYETHYL-ENETEREPHTHALATE AND POLYORGANOETHOXYSILOXANES. 7 Nov 60, 2p.
AID rept. 60-82; AD-246 711.
Order from LC or SLA mi$1.80, ph$1.80 61-13990

Abstract trans. of Vysokomolekulyarnyye Soyedineniya (USSR) 1960, v. 2, no. 4, p. 521-525.

An organosilicon polymer with active ethoxy groups was synthesized by heterocondensation of methyl phenyl ethoxysilane chloride with phenyl triethoxysilane in a molar ratio of 1:0.5. The molecular weight of the polymer was 600-800, and the content of the ethoxy groups was 22.50%. The structure was assumed to be linear, with ethoxy groups situated both in the ends of the chain and as occasional side substituents. These active groups were then brought in contact with active hydroxyl end groups of polyethyl- (Materials--Paints, TT, v. 5, no. 4) (over)

61-13990

1. Silicones--Polymerization
2. Phthalates--Polymerization
3. Condensation reactions
4. Varnishes--Development
5. Title: Block polymers
6. Title: Graft polymers
I. Andrianov, K. A.
II. Gribanova, O. I.
III. AID-60-82
IV. Air Information Div., Washington, D. C.
V. AD-246 711

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APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220026-9

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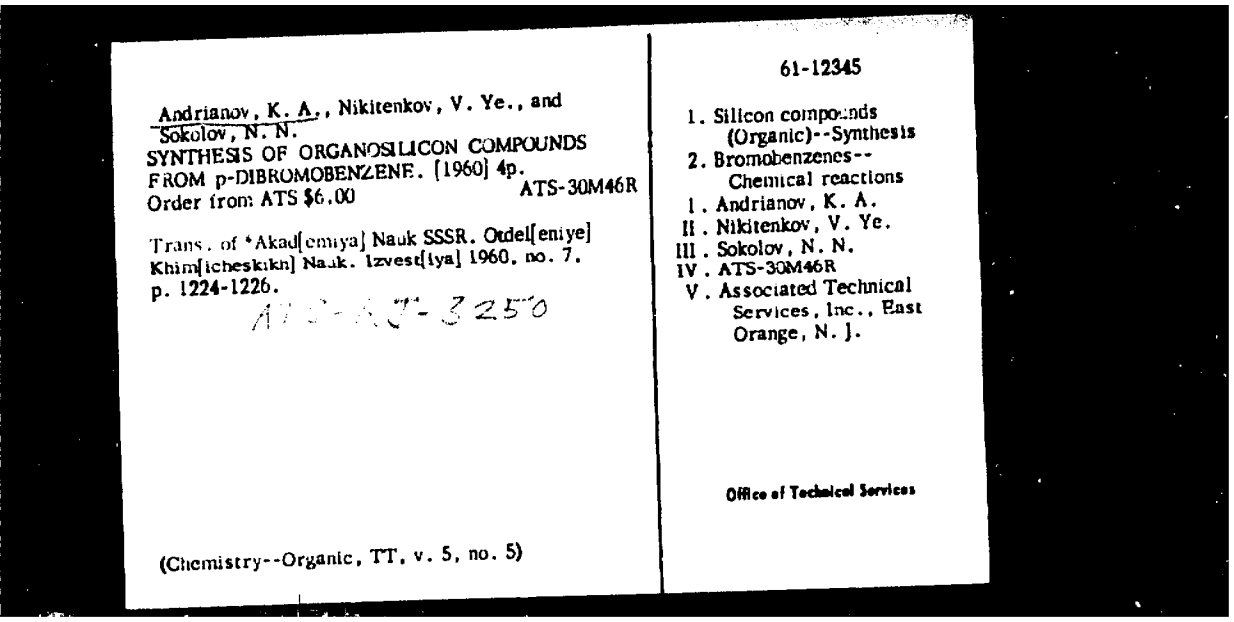

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Order from: ATS $6.00 ATS-30M46R

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ATS-RJ-3250

(Chemistry--Organic, TT, v. 5, no. 5)

61-12345

1. Silicon compounds (Organic)--Synthesis
2. Bromobenzenes--Chemical reactions
I. Andrianov, K. A.
II. Nikitenkov, V. Ye.
III. Sokolov, N. N.
IV. ATS-30M46R
V. Associated Technical Services, Inc., East Orange, N. J.

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APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220026-9

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Order from ATS $39.95 ATS-47M46R

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Another translation is available from LC or SLA mi$3.30, ph$7.80 as 60-17442, RTS-524, Nov 58 [44]p.

(Chemistry--Organic, TT, v. 5, no. 6)

61-12364

1. Silicon compounds (Organic)--Polymerization
2. Title: Heterochain polymers
I. Andrianov, K. A.
II. ATS-47M46R
III. Associated Technical Services, Inc., East Orange, N. J.

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APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220026-9

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RUSSIAN. per. Iz Ak Nauk SSSR, Otdel Khim Nauk, No 6, 1961, pp 1030-1035

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RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 3, 1961, pp441- 444.

CB 200,650

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APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220026-9

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The Thermal Condensation of Dichlorosilane With Chlorobenzene, by K. A. Andriyanov, V. I. Savushkina, 4 pp.

RUSSIAN, par, Dok Ak Nauk SSSR, Vol CXXXIX, No 1, 1961, pp 95-98.

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APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220026-9

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RUSSIAN, PER, DOK AK NAUK SSSR, VOL CXL, NO 6, 1961, PP 1310-1313.

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SCI
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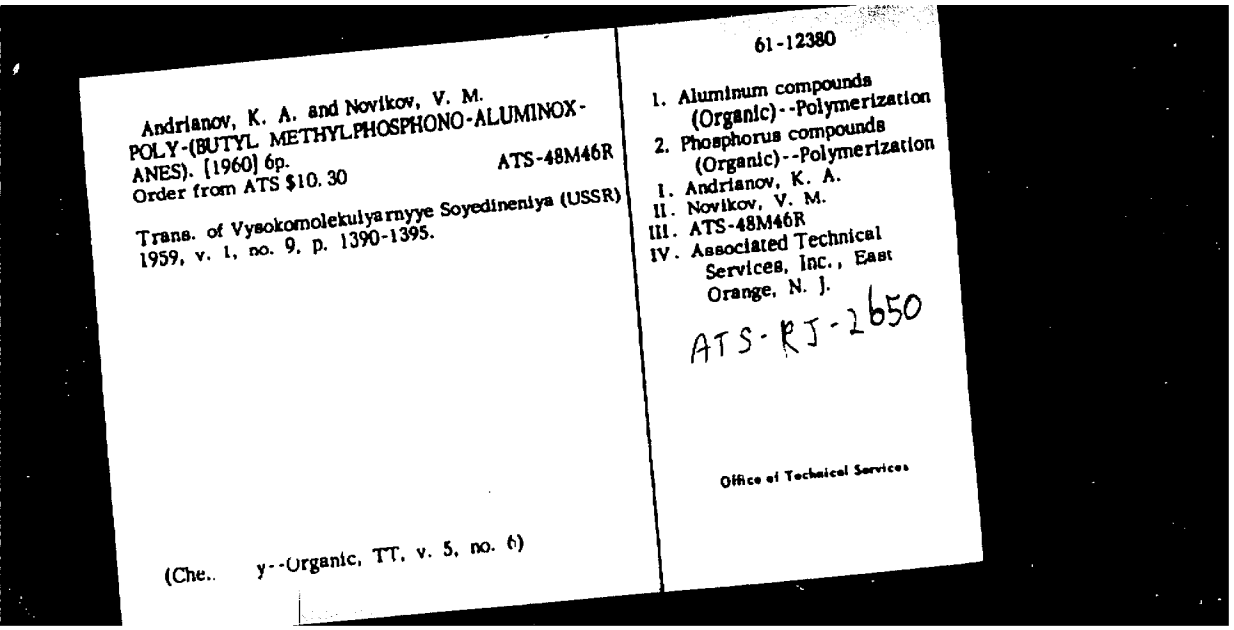
APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220026-9

APPROVED FOR RELEASE: Monday, June 30, 2003 CIA-RDP91-00929R000100220026-9



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Order from ATS $10.30 ATS-48M46R

Trans. of Vysokomolekulyarnyye Soyedineniya (USSR) 1959, v. 1, no. 9, p. 1390-1395.

(Che.. y--Organic, TT, v. 5, no. 6)

61-12380

1. Aluminum compounds (Organic)--Polymerization
2. Phosphorus compounds (Organic)--Polymerization
I. Andrianov, K. A.
II. Novikov, V. M.
III. ATS-48M46R
IV. Associated Technical Services, Inc., East Orange, N. J.

ATS-RJ-2650

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